PATENT COOPERATION TREATY

REC'D 0 4 MAY 2006

INTERNATIONAL PRELIMINARY REPORT ON PATENTALIPPTY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 030482PC	FOR FURTHER AC	TION	See Form PCT/IPEA/416
International application No. PCT/AU2004/001821	International filing dat 23 December 2004	te (day/month/year)	Priority date (day/month/year) 8 January 2004
International Patent Classification (IPC) or	national classification a	nd IPC	
F01N 3/038 (2006.01), F01	N 3/10 (2006.01), B0	<i>1D 53/94</i> (2006.01),	F01N 3/20 (2006.01)
ACTION DATE: 21 APRIL	. 2006	· .	
Applicant	_		
SAVE THE WORLD AIR, INC	et al		
This report is the international preliming Authority under Article 35 and transmit	ary examination report, ted to the applicant according	established by this Inte ording to Article 36.	rnational Preliminary Examining
2. This REPORT consists of a total of 5	sheets, including this co	over sheet.	
3. This report is also accompanied by ANI	NEXES, comprising:		
a. X (sent to the applicant and to the	z International Bureau)	a total of two sheets	, as follows:
x sheets of the description, sheets containing rectification. Administrative Instruction	tions authorized by this	which have been amen Authority (see Rule 70	ded and are the basis for this report and/or 0.16 and Section 607 of the
sheets which supersede ea the disclosure in the intern Box.	rlier sheets, but which t national application as f	his Authority considers iled, as indicated in iter	s contain an amendment that goes beyond n 4 of Box No. I and the Supplemental
b. (sent to the International Bured a sequence listing and/or table Sequence Listing (see Section	related thereto, in electr	onic form only, as indi	electronic carrier(s)), containing cated in the Supplemental Box Relating to
4. This report contains indications relating	g to the following items	:	·
X Box No. I Basis of the repo	rt		
Box No. II Priority			
Box No. III Non-establishme	nt of opinion with regar	rd to novelty, inventive	step and industrial applicability
X Box No. IV Lack of unity of	invention	•	
X Box No. V Reasoned statem citations and exp	nent under Article 35(2) Innations supporting su	with regard to novelty, ch statement	inventive step or industrial applicability;
X Box No. VI Certain documen	its cited		
Box No. VII Certain defects i	n the international appli	cation	
Box No. VIII Certain observat	ions on the international	l application	·
Date of submission of the demand	. 1	Date of completion of	this report
21 June 2005		Date of complement	
Name and mailing address of the IPEA/AU		Authorized Officer	
AUSTRALIAN PATENT OFFICE		. •	
PO BOX 200, WODEN ACT 2606, AUSTRA E-mail address: pct@ipaustralia.gov.au	·LIA	D.R. LUM	
Facsimile No. (02) 6285 3929	·	Telephone No. (02) 6	5283 2544

International application No.

PCT/AU2004/001821

1. With regard to the language, this report is based on: X The international application in the language in which it was filed A translation of the international application into translation furnished for the purposes of: international search (under Rules 12.3(a) and 23.1 (b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished X the description:
A translation of the international application into translation furnished for the purposes of: international search (under Rules 12.3(a) and 23.1 (b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished
international search (under Rules 12.3(a) and 23.1 (b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished
publication of the international application (under Rule 12.4(a)) international preliminary examination (Rules 55.2(a) and/or 55.3(a)) With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished
international preliminary examination (Rules 55.2(a) and/or 55.3(a)) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished
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furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished
the international application as originally filed/furnished
X the description:
pages 1-12 as originally filed/furnished
pages* received by this Authority on with the letter of
pages* received by this Authority on with the letter of
X the claims:
pages as originally filed/furnished pages* as amended (together with any statement) under Article 19
pages* as amended (together with any statement) under Article 19 pages* 13-14, received by this Authority on 21 June 2005 with the letter of 21 June 2005
pages* received by this Authority on with the letter of
X the drawings:
pages $1/3 - 3/3$ as originally filed/furnished
pages* received by this Authority on with the letter of pages* received by this Authority on with the letter of
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos.
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
the description, pages
the claims, Nos.
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
If item 4 applies, some or all of those sheets may be marked "superseded."

International application No.

PCT/AU2004/001821 Box No. IV Lack of unity of invention In response to the invitation to restrict or pay additional fees the applicant has, within the applicable time limit: restricted the claims paid additional fees paid additional fees under protest and, where applicable, the protest fee paid additional fees under protest but the applicable protest fee was not paid neither restricted the claims nor paid additional fees This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees. 3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is: complied with. not complied with for the following reasons: The International Preliminary Report on Patentability (Chapter II) has been drawn up in respect of the entire international application but the International Preliminary Examining Authority is of the opinion that the application does not appear to comply with the requirements of unity of invention as set forth in the PCT regulations (Article 34(3), Rule 68(1) PCT). The separate groups of invention are: Claims 1-10 are directed to a device to improve the working of an inline catalytic converter. It is 1. considered that the device comprises a particular internal profile comprising at least a pair of recesses or cavities to facilitate increased turbulence of the gasses to improve heat absorption comprises a first "special technical feature". Claims 11-16 are directed to a device to improve the working of an inline catalytic converter. It is considered that device comprising a valve which is operable between an open and a closed or partially closed position and located downstream from the catalytic converter to increase the resident time of the exhaust gas around the catalytic converter comprises a second "special technical feature". These groups are not so linked as to form a single general inventive concept, that is, they do not have any common inventive features, which define a contribution over the prior art. However this concept is not novel in the light of all the documents cited in the International Search Report. Therefore these claims lack unity a priori. 4. Consequently, this report has been established in respect of the following parts of the international application: all parts. the parts relating to claims Nos.

International application No. PCT/AU2004/001821

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Novelty (N) Claims 1-10 YES Claims 11-16 NO Inventive step (IS) Claims 1-10 YES Claims 11-16 NO Industrial applicability (IA) Claims 1-16 YES Claims NO

2. Citations and explanations (Rule 70.7)

The following documents identified in the International Search Report have been considered for the purposes of this report:

- D1 JP 9-79032 A (CALSONIC CORP)
- D2 GB 2334305 A (FORD GLOBAL TECHNOLOGIES, INC.)
- D3 WO 2002/068807 A1 (MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA)
- D4 US 4727796 A (DERKACH)
- D5 US 5355673 A (STERLING et al)

Novelty (N) and Inventive Step-Claims 11-16

The invention as defined by claims 11-16 is not novel in light of the disclosure in D1 – D5, for example, D2 provides a pressure regulating valve which is deflected by the mass flow of exhaust gases and consequently will raise the temperature of the exhaust gases and ultimately the catalytic converter, re page 4 line 11- page 5 line 2.

Also, D4 discloses a flap valve located at the end of the tail pipe and will created an increase in pressure due to its weight, hence prolonging the flow of the gases thus improving the transfer of heat to its surrounds, and is opened by the exhaust gases.

As all the features are disclosed, the invention as claimed lacks novelty and hence an inventive step.

Attention is also drawn to Box VI regarding the novelty & Inventive step aspects of claims 1-3.

International application No.

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·					CT/AU2004/	001821
Box No. VI	Certain documents	s cited		•		
 Certain pub 	olished documents (Ru	le 70.10)				
Applicat Paten	ion No. <u>nt No.</u>	Publication date (day/month/year)	Filing date (day/month/y			te (valid clain nonth/year)
P,X US 6	6737027 B1	18 May 2004	9 September	1999		mber 1999
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Jovelty & Inve	entive Step Claims 1	-3	•			.
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